



DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SF, Alameda	80	13.9/14.3, 0.0/2.7	1165SIRI	1204

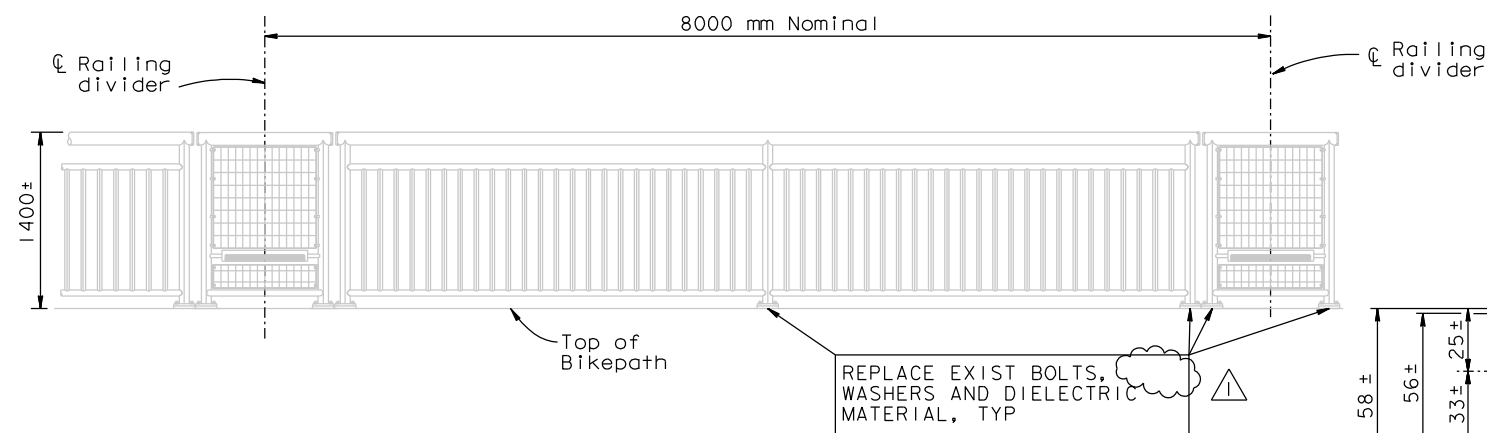
REGISTERED ENGINEER - CIVIL
No. C 64677
Exp. 06/30/13
CIVIL
STATE OF CALIFORNIA

08-26-11
PLANS APPROVAL DATE

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

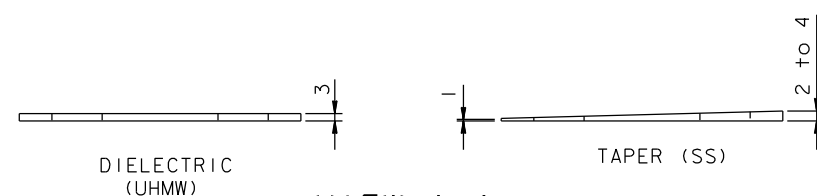
T.Y. LIN / MOFFATT & NICHOL
TWO HARRISON STREET
SAN FRANCISCO, CA 94105

Caltrans now has a web site! To get to the web site, go to: <http://www.dot.ca.gov>



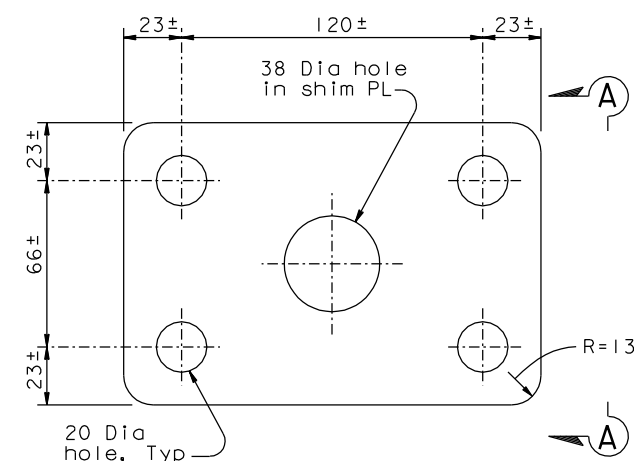
EXISTING BIKEPATH RAILING - TYPICAL ELEVATION

1:30



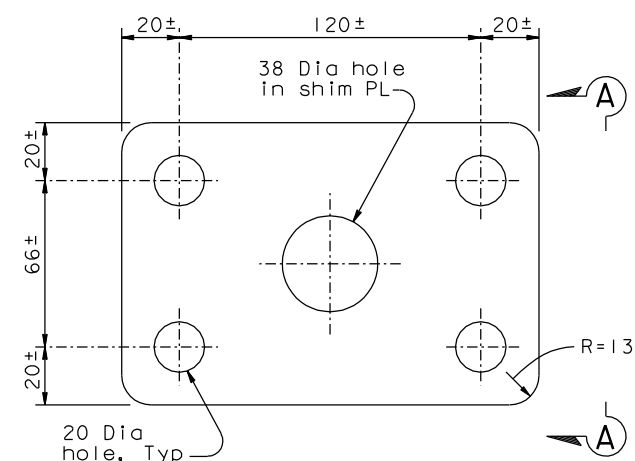
VIEW A-A

1:1.5



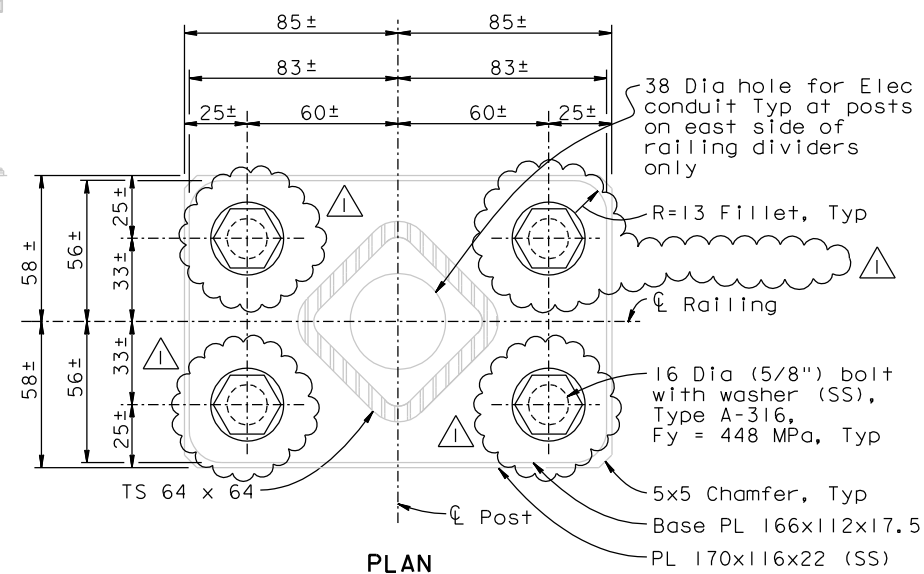
SHIM DETAIL (See Note 3)

1:1.5

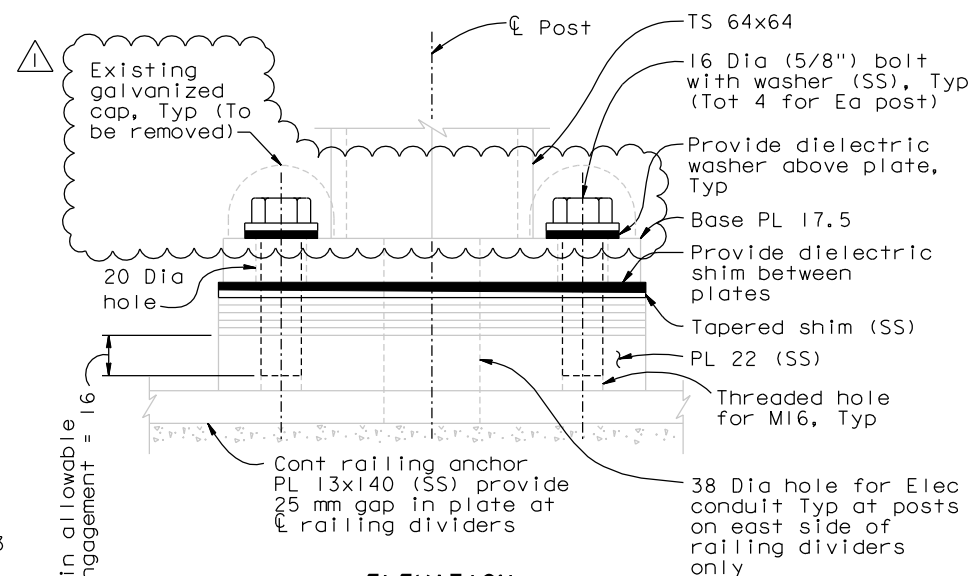


ALTERNATE SHIM DETAIL

1:1.5



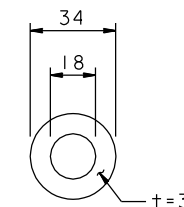
PLAN



ELEVATION

TYPICAL EXISTING POST BASEPLATE

1:1.5



DIELECTRIC WASHER

1:1.5

BOLT AND SHIM REPLACEMENT PROCEDURE:

1. Remove and discard bolt, cap and washer.
2. Remove and discard the dielectric material above and below the base plate.
3. Clean out and dry the threaded anchor hole.
4. If needed, replace the top most existing stainless steel standard shim with a new stainless steel tapered shim of thickness and taper necessary to properly align top rail of bikepath railing.
5. Install dielectric shim (UHMW) below base plate.
6. Install dielectric washer (UHMW) above base plate.
7. Insert new bolt and washer. The length of the bolt shall be such that the engagement length into the PL 22 is a minimum of 16 mm.
8. Bolts shall be tightened to "Snug Tight Plus 1/4 Turn". Bolts shall be installed with thread locking compound.

NOTES:

1. Bolt and shim replacement shall be performed on all railing divider posts and all standard railing posts on the North and South side bikepath railing.
2. The Contractor shall verify all controlling field dimensions before ordering or fabrication any material or performing any work that might thereby be affected.
3. The alternate shim dimensions shall be used as directed by the Engineer.
4. Any damage to baseplate or post shall be repaired as directed by the Engineer.

CONTRACT CHANGE ORDER NO. _____
SHEET ____ OF ____

REQUESTS FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

W. Long, Y. Liu	02/10/12	OTD DIVIDER RAIL MODIFICATIONS	AB	JD	19251
DESIGN OVERSIGHT	08/26/11	OTD DIVIDER RAIL MODIFICATION	JD	TH	192
Wang, Y. Liu	MARK	DATE	DESIGNER	BY	CH'D
SIGN OFF DATE 02/10/12	DATE	DATE	DATE	DATE	DATE

Rev. Date: 5-18-98

DESIGN	BY	J. Duxbury	CHECKED	T. Ho
DETAILS	BY	A. Baumberger	CHECKED	T. Ho
QUANTITIES	BY	A. Baumberger	CHECKED	T. Ho

PREPARED FOR THE
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ALL DIMENSIONS ARE IN
MILLIMETERS UNLESS OTHERWISE SHOWN

R. Manzanarez
PROJECT ENGINEER

CU 04
EA 0120F1

SAN FRANCISCO OAKLAND BAY BRIDGE
EAST SPAN SEISMIC SAFETY PROJECT

BRIDGE NO. 34-0006L/R
KILOMETER POST 13.9/14.3, 0.0/2.7
OAKLAND APPROACH STRUCTURES CLEANUP ITEMS
HANDRAIL ADJUSTABILITY DETAILS

DISCARD PRINTS BEARING
EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)

SHEET 148SIRI OF

FILE => I:\bb\04-012001\sas\contract plans and cco\cco\cco*19251\1-original 02-10-12\dgn\akdvr01a.dgn

100 % P S & E
USERNAME => DWINROW DATE PLOTTED => 09 FEB 2012 TIME PLOTTED => 14:35:31